

**ABSTRACT OF THE DISCLOSURE**

An apparatus and method for transmitting header information in an ultra wide band (UWB) communication system. To protect physical layer header information from errors that may occur during transmission in the UWB communication system, a transmitter transmits the header information after encoding it with an error-correcting code, whereas a receiver decodes the encoded header information with the error-correcting code. This improves the throughput in a wireless network and also decreases the bit error rate.